

17th RSC - CRSI Symposium Series in Chemistry
One Day Symposium on “Sustainable Development Goal 9”
 Department of Chemistry, BITS Pilani, Pilani Campus

Venue: J C Chaudhry NAB Auditorium

February 01, 2024 (Thursday)

09:00-09:30	REGISTRATION
	Opening Addresses
09:30-09:40	Prof. Sudhir K. Barai, Director, BITS Pilani, Pilani campus
09:40-09:50	Prof. Uday Maitra, President, CRSI
09:50-10:00	Dr. Ajit Sharma, Managing Director, RSC India
10:00-10:15	Dr. Alejandra Palermo, Head of Global Inclusion, RSC UK
Session 1	Chairperson: Prof. V. Chandrasekhar , TIFR Hyderabad
10:15-11:00	Prof. Gill Reid , President, Royal Society of Chemistry, UK Title: Exploring Inorganic Fluoride Complexes Towards PET Imaging Applications
11:00-11:30	High Tea
Session 2	Chairperson: Prof. Dalip Kumar , BITS Pilani, Pilani Campus
11:30-12:15	Dr. Anubhav Saxena , Chief R&D Officer, Pidilite Industries Limited, India Title: Sustainable Transformation: The Role of Innovation in Shaping Polymer Industry
12:15-13:00	Prof. David O’Hagan , School of Chemistry, University of St. Andrews, UK Title: Organo-fluorine Chemicals, Past Present and Future
13:00-14:00	Lunch (Institute Cafeteria)
Session 3	Chairperson: Prof. S. Chandrasekaran , IISc Bangalore
14:00-14:45	Dr. Rajamannar Thennati , Sun Pharmaceutical Industries Limited, India Title: Metabolic Syndrome and Therapeutic Potential of GL0034 - A Novel Incretin Analogue
14:45-15:30	Prof. Satheesh Krishnamurthy , University of Surrey, UK Title: Surrey Ion Beam Centre – An UK National Research Facility – Addressing Sustainable Development Goals in Energy, Clean Water and Health Care
Session 4	Chairperson: Prof. Inamur R. Laskar , BITS Pilani, Pilani Campus
15:30-16:00	Dr. Aayushi Arora , Assistant Editorial Development Manager, RSC India Title: RSC Connecting the Chemical Sciences Community
16:00-16:30	Tea/Coffee
16:30-18:00	Panel Discussion – SDG 9 – Industry, Innovation and Infrastructure Moderator: Dr. Alejandra Palermo Panelists: Prof. Gill Reid, Prof. David O’Hagan, Prof. Satheesh Krishnamurthy, Dr. Aayushi Arora, Dr. Rajamannar Thennati
18:00-18:10	Closing Remarks
19:30	RSC-CRSI Dinner (VFAST LAWNS)

32nd CRSI-National Symposium in Chemistry (CRSI-NSC-32)

Department of Chemistry, BITS Pilani, Pilani Campus

Venue: J C Chaudhry NAB Auditorium

February 02, 2024 (Friday)

08:30-09:30	SYMPOSIUM REGISTRATION
INAUGURATION	
09:30-09:35	Welcome of Dignitaries
09:35-09:40	Lightning of the lamp and Saraswati Vandana
09:40-09:45	Welcome by Prof. Dalip Kumar , Convener CRSI-NSC-32
09:45-09:50	Address by Prof. Indresh Kumar , HoD Chemistry, BITS Pilani, Pilani Campus
09:50-10:00	Address by Prof. Sudhir K. Barai , Director, BITS Pilani Pilani Campus
10:10-10:20	'About CRSI' by Prof. N. Jayaraman , IISc. Bangalore, Secretary General CRSI
10:20-10:50	Presidential address by Prof. Uday Maitra , IISc. Bangalore, President CRSI
10:50-10:55	Vote of thanks by Prof. Anil Kumar , Organizing Secretary
10:55-11:20	Group Photo Session and Tea/Coffee
Session I	A V RAMA RAO PRIZE LECTURE <i>Chairperson: Prof. Vinod K. Singh, IIT Kanpur</i>
11:20-12:00	Prof. Seth B. Herzon , Department of Chemistry, Yale University, USA Title: <i>Structure and Function of Colibactin</i>
Session II	CRSI BRONZE MEDAL LECTURES <i>Chairperson: Prof. Pradeep Phukan, BITS Pilani, Hyderabad Campus</i>
12:00-12:20	Bronze Medal Lecture # 1: Dr. Uttam Manna , IIT Guwahati Title: <i>Deriving Functional Interfaces through Adopting Facile Chemistry</i>
12:20-12:40	Bronze Medal Lecture # 2: Dr. Santanab Giri , HIT Hatiberia Title: <i>Boron Doped Thiazole: A Multifunctional Superhalogen</i>
12:40-13:00	Bronze Medal Lecture # 3: Dr. T. J. Dhillip Kumar , IIT Ropar Title: <i>Graphene and Graphyne Functionalized Lattices for Alkali Ion Batteries: Insights from First-Principles Study</i>
12:50-14:00	Lunch (Institute Cafeteria)

	POSTER SESSION - 01 (Poster Nos. P01-P148)	
	Venue: BITS ROTUNDA	
	Chairperson: Prof. G. Sekar, IIT Madras	Prof. Vidya D. Avasare, Ashoka University
14:00-16:00	Evaluation Committee: Prof. M. Sankar (IIT Roorkee) Dr. C. M. Nagaraja (IIT Ropar) Prof. Babita Malik (Manipal Univ. Jaipur) Prof. Ramesh K. Metre (IIT Jodhpur) Prof. Easwar Srinivasan (CUR, Ajmer)	Prof. Debashree Ghosh (IACS, Kolkata) Prof. Ashutosh V. Bedekar (MSU, Baroda) Dr. Sugumar Venkataramani (IISER Mohali) Prof. Devender Singh (MDU Rohtak) Dr. Suresh Kumar (Kurukshetra University) Dr. Amlan K. Pal (IIT Jammu)
14:00-15:30	COUNCIL MEETING CRSI Council members only, Venue: 6109	
16:00-16:30	Tea/Coffee (Rotunda)	
Session III	CRSI BRONZE MEDAL LECTURES	
	Chairperson: Dr. Kaushik Ghosh, INST Mohali	
16.30-16.50	Bronze Medal Lecture # 4: Dr. Sobhan Sen, JNU, New Delhi Title: Extreme Dynamics in DNA: What We Learned from Time-Resolved Experiments and Simulations?	
16.50-17.10	Bronze Medal Lecture # 5: Dr. Kamalakannan Kailasam, INST Mohali Title: Emergence of Heptazines: Old Wine in the New Bottle	
Session IV	CRSI BRONZE MEDAL LECTURES	
	Chairperson: Prof. T. Punniyamurthy, IIT Guwahati	
17:10-17:30	Bronze Medal Lecture # 6: Prof. Indresh Kumar, BITS Pilani, Pilani Campus Title: Direct Access to C₃-Functionalized Pyrrole	
17:30-17:50	Bronze Medal Lecture # 7: Dr. Modhu Sudan Maji, IIT Kharagpur Title: Allylation of Imines and Indoles by Using Allyl-Boronic Acids and their Application in the Total Synthesis of Alkaloids	
Session V	RSC LECTURE	
	Chairperson: Dr. D. Srinivas Reddy, IICT Hyderabad	
17:50-18:20	RSC₁: Prof. David O'Hagan, EaStChem School of Chemistry, Univ. St. Andrews Title: Exploring Properties of Partially Fluorinated Aliphatics and Alicyclics for Medicinal Chemistry	
Session VI	RSC LECTURE	
	Chairperson: Prof. Swagata Dasgupta, IIT Kharagpur	
18:20-18:50	RSC₂: Prof. Gill Reid, Department of Chemistry, Univ. Southampton Title: Single Source Precursors for the Electrodeposition of 2D Layered Semiconductors	
20.00-21.30	Gala Dinner (OASIS RESORT)	

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February 03, 2024 (Saturday)

Session VII	C N R RAO AWARD LECTURE <i>Chairperson: Prof. N. Sathyamurthy, IISER Mohali</i>
09:30-10:00	Prof. Andrew Goodwin , Department of Chemistry, University of Oxford, UK Title: Truchet-tile Architectures in Materials Chemistry
Session VIII	CRSI BRONZE MEDAL LECTURES <i>Chairperson: Prof. T. Govindaraju, JNCASR Bengaluru</i>
10.00-10.20	Bronze Medal Lecture # 8: Dr. Qazi Naveed Ahmed , CSIR-IIIM Jammu Title: The Transformative Potential of Functional Group Driven Chemistry
10.20-10.40	Bronze Medal Lecture # 9: Dr. Moumita Majumdar , IISER Pune Title: Cationic Germanium Compounds: New Feats in the Field of Lewis Acid Catalysis
10.40-11.00	Bronze Medal Lecture # 10: Dr. Sayan Bhattacharyya , IISER Kolkata Title: Dimensionally Reduced Halide Perovskites
11.00-11.30	Tea/Coffee
Session IX	CRSI SILVER MEDAL LECTURE <i>Chairperson: Prof. D. Ramaiah, Gauhati University</i>
11.30-12.00	Silver Medal Lecture: Prof. Maya Shankar Singh , Institute of Science, Banaras Hindu University, Varanasi Title: Adventures in Dithioesters & Thioamides Chemistry: Chemical Psychology of Heterocycles
Session X	CRSI BRONZE MEDAL LECTURES <i>Chairperson: Prof. Devinder Kumar, GJUST Hisar</i>
12.00-12.20	Bronze Medal Lecture # 11: Dr. C. Sivasankar , Pondicherry University, Puducherry Title: Construction of Covalent Bonds using Transition Metal Catalysts: Exploring the Carbene Chemistry
12.20-12.40	Bronze Medal Lecture # 12: Dr. Sugumar Venkataramani , IISER Mohali Title: Reactive Intermediates and Unstable Species in Rare Gas Matrices
12.40-14.00	Lunch (Institute Cafeteria)

	POSTER SESSION-02 (Poster Nos. P149-P299)	
	Venue : BITS ROTUNDA	
	Chairperson: Dr. Atul Goel, CDRI Lucknow Dr. Srinivas Oruganti, DRILS Hyderabad	
14.00-16.00	Evaluation Committee: Prof. Raja Angamuthu (IIT Kanpur) Prof. Neelima Gupta (Univ. Raj.) Prof. Nandita Madhavan (IIT Bombay) Prof. Amit Kumar (IIT Patna) Prof. Harish Kumar (CU Haryana)	Prof. Sivapriya Kirubakaran (IIT Gandhinagar) Prof. Paramjit Kaur (GNDU Amritsar) Prof. Nidhi Jain (IIT Delhi) Prof. Dillip K. Chand (IIT Madras) Prof. Vinod K. Tiwari (BHU, Varanasi) Dr. Moumita Mazumdar (IISER Pune)
15.30-16.00	Tea/Coffee (Rotunda)	
Session XI	CRSI BRONZE MEDAL LECTURES	
	Chairperson: Prof. Bharti Khungar, BITS Pilani, Pilani Campus	
16.00-16.20	Bronze Medal Lecture # 13: Prof. Debashree Ghosh, IACS Kolkata Title: <i>Photophysics of Skin Pigment Melanin</i>	
16.20-16.40	Bronze Medal Lecture # 14: Dr. Nisanth Narayanan Nair, IIT Kanpur Title: <i>Exploring Rugged Energy Landscapes of Chemical Reactions</i>	
16.40-17.00	Bronze Medal Lecture # 15: Dr. Kumar Vanka, CSIR-NCL Pune Title: <i>Computational Investigations into the Directionality in Non-Covalent Interactions and Sigma-Hole Mediated Aerogen Bonding</i>	
Session XII	CRSI GOLD MEDAL LECTURE	
	Chairperson: Prof. Sourav Pal, Ashoka University, Sonapat	
17.00-17.40	Prof. Swapan Ghosh, UM-DAE-Centre for Excellence in Basic Sciences, University of Mumbai Title: <i>Density Concepts in Chemistry Across Different Length Scales: A Personal Experience</i>	
17.40-19.30	PRESENTATION OF CRSI MEDALS and GENERAL BODY MEETING	
19.30-21.00	Dinner (VFAST LAWNS)	

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February 04, 2024 (Sunday)

Session XIII	ANIMESH CHAKRAVORTY ENDOWMENT LECTURE <i>Chairperson: Prof. Jitendra K. Bera, IIT Kanpur</i>
09.15-09.45	Prof. Holger Braunschweig , University of Würzburg, Germany <i>Title: Activation of Small Molecules: Can Boron act as a Transition Metal?</i>
Session XIV	SPECIAL SESSION ON ORGANIC SYNTHESIS AND MEDICINAL CHEMISTRY <i>Chairperson: Prof. S. C. Sivasubramanian, Prof Ajay K. Sah, BITS Pilani, Pilani Campus</i>
09.45-10.05	IL-1 Prof. D. S. Rawat , Kumaun University, Nainital <i>Title: Small Molecules Performs Big: Phase I Clinical Trials of Aminoquinoline Based Molecular Hybrids for the Parkinson Disease</i>
10.05-10.25	IL-2 Dr. Deepak Salunke , Panjab University, Chandigarh <i>Title: Structure–Activity Relationship Studies to Identify Human Toll-Like Receptor-7 Agonist as an Effective Adjuvant for COVID-19 Vaccine</i>
10.25-10.45	IL-3 Prof. Rajeev Sakhuja , BITS Pilani, Pilani Campus <i>Title: Metal-catalyzed Approaches for C-H Functionalization</i>
10.45-11.05	IL-4 Prof. Sandip Murarka , IIT Jodhpur <i>Title: Photo-induced Site-Selective Functionalization of (Aza)Pyrimidine Nucleoside</i>
11.05-11.15	Presentation by CSIR-NIScPR
11.15-11.30	Tea/Coffee
VALEDICTORY SESSION	
11.30-11.50	Announcement & Presentation of Poster Awards
11.50-12.00	Presentation by Organizers of CRSI-NSC-33
12.00-12.10	Address by Prof. S. K. Verma, Dean Administrations, BITS Pilani, Pilani Campus
12.10-12.20	Concluding Remarks by President CRSI
12.20-12.30	Vote of Thanks by CRSI Secretary & Organizing Secretary CRSI-NSC-32
12.30-13.30	Lunch (Institute Cafeteria) followed by Departure